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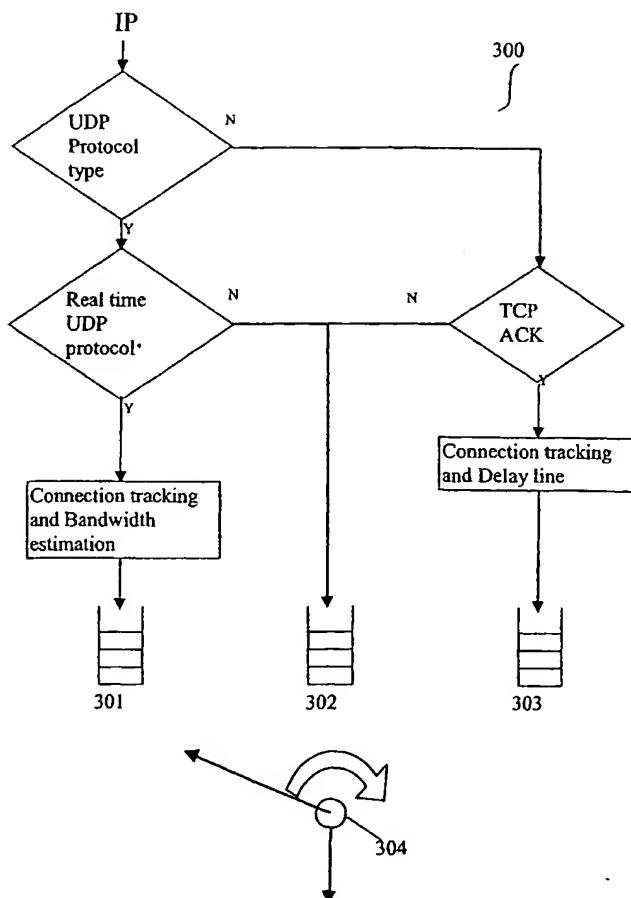
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(54) Title: PROTECTING REAL-TIME DATA IN WIRELESS NETWORKS



(57) Abstract: The invention provides a traffic shaper module allocates more bandwidth to real-time data in wireless TCP/IP networks where accessible bandwidth is limited. This is particular relevant for IEEE 802.11b networks. For downstream data, the traffic shaper module can be set to control the transmission to all clients and thereby give priority to the port carrying real-time data. For the upstream case, data transmission from all kinds of standard devices is to be reduced or delayed. Hence, the data transmissions from other clients have to be controlled remotely from the access point. By delaying or discarding packets, such as TCP acknowledgements, to other clients, the traffic shaper module artificially increases their Round Trip Time (RTT). The protocol at these clients responds to the increased RTT by transmitting data at a lower rate, thereby leaving more bandwidth for the real-time data port.



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ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
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## A. CLASSIFICATION OF SUBJECT MATTER

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## B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	WO 02/33909 A (CUNY RENAUD ; NOKIA CORP (FI)) 25 April 2002 (2002-04-25) page 3, line 17 - page 4, line 9 page 11, line 8 - line 18 page 14, line 14 - line 18 page 14, line 23 - line 25 figures 1,5	1-7
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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